

Design, Construction and Analysis of (Cont.)

SOV/2095

The geometric basis of design of toothed reducers and the general theory of out-of-centrode involute gearing are presented, and the selection of geometric parameters for gear trains of planetary speed reducers is discussed.

Pyatnitskiy, A.A., Weight Characteristics of Toothed Gears and Gear Trains

67

The author derives equations for coefficients which can be used as criteria for "Weight quality" of gears and gear trains. He also compares steel gears with nonmetallic ones, and straight-tooth gears with gears with helical teeth.

Zablonskiy, K.I. Investigation of Load Concentration Along Tooth Bearings of Gears

77

The essentials of tooth loading, deformation, and design are analyzed. The author concludes that in order to obtain a correct solution for load concentration, the local rigidity of teeth should be considered.

Beloborodov, V.A. The Problem of Developing Mechanical Marine Transmissions

87

The use of gear trains in marine drives is discussed, and the construction of a reversible speed reducer is described.

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Design, Construction and Analysis of (Cont.)

SOV/2095

Bolotovskiy, I.A., Rational Selection of Displacement Coefficients and Distribution of Displacements Between Gears at Angular Correction With the Use of Limiting-contour Diagrams

95

The article discusses correction of involute gears by displacing the profile (angular correction) for obtaining the maximum contact strength, bending strength, and wear resistance with the aid of limiting-contour diagrams.

Smirnov, V.E. Limiting-contour Diagrams and Methods of Their Construction. Change in Contour Form Due to a Change in Certain Geometrical Parameters Components of nonlimiting-contour diagrams, such as interference, overlapping coefficient, radial clearance, and changes of tooth height, and corner radii of the hob tooth are discussed.

103

Belyanin, A.I. Investigation of the Load Capacity of Helical Gears

111

Theoretical investigation, and data from experiments show that the load capacity of helical gears can be 50 percent greater than that of straight gears.

Card 5/8

Design, Construction and Analysis of (Cont.)

SOV/2095

Krivenko, I.S. Basic Results of a Theoretical and Experimental Investigation of New Types of Worm Gear Trains 119

The use of worms with concave profiles is discussed. The results of the investigation show the advantages of worm gears of this type.

Pedyakin, R.V. M.L. Novikov's Gearing System 129

A brief synopsis of Novikov's system of gearing for spur gears, including construction of profiles for concave and convex teeth, is presented. The author claims that this system has a load capacity 2 to 3 times greater than standard involute gearing systems. He further states that this fact has been confirmed by exhaustive tests at various plants.

Solov'yev, A.I. Theoretical Fundamentals of the Friction Analysis of Automobile Transmissions and Experimental Methods of Investigating Friction in Automobile Mechanisms 141

The efficiency of gearings, universals and the whole transmission is analyzed. Friction in roller contact bearings and in the differential, friction losses in the transmission during unsteady motion, and experimental methods of investigating friction losses in automobile mechanisms are discussed.

Card 6/8

Design, Construction and Analysis of (Cont.)

SOV/2095

Sigov, I.V. Some Problems in the Organization of Centralized Production of Speed Reducers and Gear Drives

153

Tsfas, B.S. Design for Strength of a Solid Toothed Gear, Weakened by Key or Spline Slots

163

Formulas are derived for forces and moments acting on sections of a gear weakened by spline (6 slots) and key (one slot) joints.

Blokh, O.T. Increase in the Accuracy of Kinematic Worm Gear Trains Used for Reading Mechanisms of Instruments

177

The author analyzes the accuracy of cylindrical worms and wheels for high-precision instruments. He makes recommendations for reducing the margin of error in the gear trains in order to reduce the total margin of error of the mechanism.

Belyayev, M.S., and K. I. Zablonskiy. Consideration of Simultaneous Engagement of Two Pairs of Teeth in Gearing Design

187

Card 7/8

Design, Construction and Analysis of (Cont.)

SOV/2095

The distribution of load between two pairs of meshing teeth is basically determined by the rigidity of teeth and by the errors in engagement, chiefly the accumulated error of the circular pitch, causing the cyclic character of stresses. The author states that for a pair of gears of a given type the characteristic diagram for distribution of errors can be determined. He further states that this determination has been confirmed by inspection of several lots of gears manufactured by different methods.

Resolution of the Conference on the Problems of Design, Construction, and Analysis of Transmissions

195

The resolution stresses both the progress made and the deficiencies noted in design, construction, and manufacture of gearings and worm gear trains, and in the fields of continuous speed control, chain drives, and flexible shafts.

AVAILABLE: Library of Congress

GO/fal
8-9-59

Card 8/8

ZABLOUSKIY, K.I., kand.tekhn.nauk, otv.red.; BOROVICH, L.S., kand.tekhn.nauk, red.; BELYAYEV, M.S., inzh., red.; GENKIN, M.D., kand.tekhn.nauk, red.; ZAK, P.S., kand.tekhn.nauk, red.; KIST'YAN, Ya.O., kand.tekhn.nauk, red.; KUDRYAVTSEV, V.N., doktor tekhn.nauk, red.; KAL'TSEV, V.F., kand.tekhn.nauk, red.; POLOTSKIY, M.S., kand.tekhn.nauk, red.; ERLIKH, L.B., kand.tekhn.nauk, red.; NIKIFOROV, I.P., inzh., red.; KOMISSARENKO, A.R., tekhred.

[Design, construction, and analysis of drives; proceedings of the conference on problems in designing, constructing, and analyzing gear drives and flexible gearing, September 23-28, 1957] Raschet, konstruirovaniye i issledovaniye peredach; trudy konferentsii po voprosam rascheta, konstruirovaniya i issledovaniya subchatykh peredach i peredach gibkoi svyaz'iu 23-28 sentyabrya 1957 g. Izd-vo Odessakogo politekhn.in-ta. Vol.1. 1958. 199 p. Vol.2. 1958. 94 p. (MIRA 12:5)

1. Odessa. Politeknicheskii institut.
(Gearing)

ZAK, R.

Quantitative changes in the muscular proteins after a direct excitation of the muscle.

p. 323 (CESKOSLOVENSKA FYSIOLOGIE) Vol. 6, no. 3, Aug. 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

ZAK, R.

T-9

CZECHOSLOVAKIA / Human and Animal Physiology. Neuro-muscular Physiology.

Abs Jour : Ref Zhur - Biologiya, No 1, 1959, No. 3728

Author : Klicpera, M.; Drahota, Z.; Zak, R.

Inst : Not given

Title : Determination of Glycogen in the Muscle

Orig Pub : Ceskosl. fysiolo., 1957, 6, No 4, 544-547

Abstract : According to the studies of Karroll, Longli and Ro, (J. Biol. Chem., 1956, 220, 583), in glycogen determination in an alkaline hydrolysate along with glycogen there also is present a non-glycogen substance of the nature of a glycode. When (in the presence of KOH and boiling) hydrolysis was continued for 2 more hours, complete decomposition occurred. Presence of protein fragments and of other matter in the muscle hydrolysate did not prevent complete decomposition. Following a 2-

Card 1/2

ZHAK, R.

CZECHOSLOVAKIA / Human and Animal Physiology. Carbohydrate
Metabolism.

T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 69826

Author : Klitspora, M.; Dragota, A.; Zhak, R.

Inst : Not given

Title : Observations on the Determination of Glycogen in Muscles

Orig Pub : Physiol. bohemosl., 1957, Vol 6, No 4, 569-572

Abstract : No abstract given

Card 1/1

ZAK. R.

Quantitative changes of nucleic acids following electrical stimulation of the muscle. Cesk. fyziol. 7 no.1:33-34 1958.

1. Fysiologický ústav CSAV, Praha Předneseno na pravidelné schůzi fysiologické společnosti v Praze dne 30. X. 1957.

(NUCLEIC ACIDS, metabolism,

muscle, eff. of electric stimulation (Cs))

(MUSCLES, metabolism,

nucleic acids, eff. of electric stimulation (Cs))

ZAK K

BABICKY, A.; BASS, A.; CHALOUPKA, J.; ZAK, R.

Contamination of radiation from radioactive potassium and phosphorus.
Cesk. fysiол. 7 no.2:112-116 Mar 58.

1. Biologicky ustav CSAV, Fysiologicky ustav CSAV, Praha
(PHOSPHORUS, radioactive
contamination (Cz))
(POTASSIUM, radioactive,
same)

ZAK, R.; FLIGENBA, M.; TRAHOTA, Z.

"Changes in the isolated rat diaphragm. I. Washing of proteins and amino acids during in vitro incubation." (In German)

COLLECTION OF CZECHOSLOVAK MEDICAL COMMUNICATIONS, . Praha, Czechoslovakia,
Vol. 23, no. 11, Nov. 1959

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 2, No.7, July 1959, Unclas.

EXCERPTA MEDICA Sec 2 Vol 12/11 Physiology Nov 59

5451. THE EFFECT OF PREINCUBATION ON THE INCORPORATION OF ^{35}S -METHIONINE INTO THE ISOLATED RAT DIAPHRAGM - Zák R. and Babický A. Inst. of Physiol., Czechoslovak Acad. of Sci., Prague - PHYSIOL. BOHEM. 1959, 2/1 (1-7) Tables 3

Preincubation of the isolated rat diaphragm for 15 min. reduced the incorporation of ^{35}S -methionine during the subsequent 150 min. incubation by 30%; 30 min. preincubation reduced it by 40%. The decrease in incorporation into the diaphragm preincubated for 15 min. in a medium containing ^{35}S -methionine and then transferred to a fresh medium of the same radioactivity was the same as in the preceding experiment, in which the preincubation medium was not radioactive. Specific activity of diaphragm incubated in one medium, to which ^{35}S -methionine was not added until after 15 min. preincubation, was the same as that of control tissue which was not preincubated. The effect of preincubation is not manifested if the medium contains 0.1% free amino-acids.

Hahn - Prague

ZAK, R.; GUTMANN, E.

Dissociation of the synthesis of nucleic acids from proteins in
denervated muscles. Cesk. fysiол. 8 no.3:264-265 Apr 59.

1. Fysiologicky ustav CSAV, Praha. Predneseno na III. fysiologickych
dnech v Brne dne 14. 1. 1959.

(MUSCLES, physiol.

eff. of denervation of nucleic acid synthesis dissociation
from proteins (Cz))

(NUCLEIC ACIDS, metab.

synthesis in denervated musc., dissociation from proteins
(Cz))

HAHN, P.;KOLDOVSKY, O.;ZAK, R.

Loss of liver proteins in rats of various ages after the exposure
to cold. Cesk. fysiол. 8 no.5:405-406 8 '59

1. Fysiologicky ustav CSAV, Praha.

(GOLD eff.)

(LIVER metab.)

(PROTEINS metab.)

(AGING eff.)

ZAK, R.

Turnover of cell proteins. Cesk. fysiол. 8 no.6:515-528 N '59.

1. Fysiologicky ustav CSAV, Praha.
(PROTEINS metab.)

EXCERPTA MEDICA Sec 2 Vol 12/9 Physiology Sept 59

4079. KINETICS OF INCORPORATION OF LABELLED AMINO-ACIDS INTO MUSCLE TISSUE IN VITRO - Kinetik der Inkorporation markierter Aminosäure in das Muskelgewebe in vitro - Žák R., Babický A. and Veršek K. Physiol. Inst. und Radiol. Abt., Biol. Inst., Tschechosl. Akad. der Wissensch., Prag - BIOCHEM. Z. 1959, 331/2 (117-126) Graphs 4 Tables 2

Maximum activity of rat diaphragm after administration of methionine- S^{35} is reached during the first stage of incorporation. During the second stage a plateau is reached. Addition of new methionine- S^{35} results in a new increase of protein incorporation. Methionine- S^{35} incorporated during the first stage can be released by incubation with unlabelled methionine. During the first 6 hr. of incubation the incorporation of methionine- S^{35} is linear, as is that of glycine- C^{14} and alanine- C^{14} .

ZAK, R.; IRAHOTA, Z.

Intracellular degradation of muscle proteins. Cesk. fysiол. 9
no.1:72-73 Ja 60.

1. Fysiologicky ustav CSAV, Praha.
(MUSCLE PROTEINS metab.)

ZAK, R.

Rehabilitation in hospitals. Cesk. nemoc. 21 no.7-8:143-148 Sept-
Oct 1953. (CML 25:5)

1. Trebice.

HAMBACH, R., MUDr.; HRAZDIRA, C. L., MUDr.; ~~RUDF.~~; ZAK, R., MUDr.

Facial actinomycosis with cerebral complications and actinomycotic
bronchopneumonia. Cas. lek. cesk. 93 no.7:175-179 12 Feb 54,

1. Z pathol. anat. odd. KUNZ v Jihlavy: pred. prof. Dr. Pavlica.
Z neurol odd. OUNZ v Trebici: pred. Dr. B. Chytka. Z Chir. odd.
OUNZ v Trebici: pred. doc. Dr. K. Holubec.

(ACTINOMYCOSIS,

facial, with cerebral & bronchopulm. involvements.)

MINAR, J.; FIET, P.; HOJAL, L.; JADRY, J.; POSSNER, M.; STUCHLIX, Z.; SAUER, J.;
VROBELOVA, J.; ZAK, R.

Clinical experiences with the treatment of severe hemorrhage. Rozhl.
chir. 36 no.4:235-242 Apr 57.

(HEMORRHAGE, ther.

rapid extensive intravenous transfusion (Cz))

(BLOOD TRANSFUSION, in var. dis.

hemorrh. rapid extensive intravenous transfusion (Cz))

SACENTA MEDIC. Dec. 2 Vol. 10/10 Ph. 2. 1957. Oct 37

ZAK Raddf

4366. ZAK R. Chir. Odd OÚNZ, Trebčí. *Technika měření plasmatického volume-
nu. The technique of the measurement of plasma volume
ČAS. LÉK. ČES. 1957, 96/15 (457-462) Tables 2

In both Czech and foreign literature, the above method is worked out for plasma. Since this latter fluid is often turbid, we have used serum. Instead of a complicated standard curve, we have worked out a standard serum value, so that concentration in this standard would be approximately that expected in the coloured sample (diluted by about 2500 ml. of plasma). We have determined that the optimal priming dose is 20 mg. of Evans blue. The optimal conditions are to administer the dye in known concentration. In diluting blood we always use physiological saline to prevent haemolysis. We calculate the expected blood and plasma volume according to the height of the subject, which we feel is the best method. This system of calculation is very simple and permits the estimation of blood volume almost as soon as the samples are read off in the colorimeter. According to the presented results it would appear that the method of Gibson and Evans, with our modifications, give sufficiently accurate results for clinical use. The method is simple and can be carried out in any department possessing a photocolorimeter.

ZAK, Rudolf

Data on aureomycin therapy of appendiceal peritonitis. Rozhl. chir.
37 no.6:423-430 June 58.

1. Chirurgické oddelení OUMZ Trebic, prednosta doc. Dr. E. Holubec
Chirurgické oddelení OUNZ Dacice, prednosta MUDr. R. Zak. R. Z., Dacice,
nemocnice.

(CHLORTETRACYCLINE, ther. use
peritonitis, appendiceal (Cz))

(APPENDICITIS, compl.
peritonitis, chlortetracycline ther. (Cz))

(PERITONITIS, etiol. & pathogen.
appendicitis, chlortetracycline ther. (Cz))

JANDA, S.; NOVOTNY, I.; ZAK, R.

Proteolytic activity and nucleic acid content in different types
of muscles. *Physiol. Bohemoslov.* 11 no.6:518-521 '62.

1. Institute of Zoology, Charles University, Institute of Physiology,
Czechoslovak Academy of Sciences, Prague.

(MUSCLES) (RNA) (DNA) (PEPTIDE HYDROLASES)
(PEPTIDE PEPTIDOHYDROLASES)

GUTMANN, E.; ZAK, R.

Nervous regulation of nucleic acid level in cross-striated muscle changes in denervated muscle. *Physiol Bohemoslov* 10 no.6:493-500 '61.

1. Institute of Physiology, Czechoslovak Academy of Sciences, Prague.
(MUSCLES metab) (NUCLEIC ACIDS metab)

GUTMANN, E.; ZAK, R.-----

Nervous regulation of nucleic acid level in cross-striated muscle
resynthesis of nucleic acids and proteins in normal and denervated
muscle. Physiol Bohemoslov 10 no.6:501-509 '61.

1. Institute of Physiology, Czechoslovak Academy of Sciences,
Prague.

(NUCLEIC ACIDS metab) (MUSCLES metab)
(PROTEINS metab)

Zač, Rudolf; NEVOLE, Milan

Appendicial peritonitis in children up to 2 years of age. Cesk. pediat.
16 no.12:1064-1069 D '61.

1. Chirurgické oddelení nemocnice v Dacích, předn. MUDr. Rudolf Zač
Dětské oddelení nemocnice v Dacích, předn. MUDr. Jaroslav Černák.

(APPENDICITIS in inf & child)
(PERITONITIS in inf & child)

ZAA, A G.

VINOKUROVA, M.D., rabotnik pavil'ona,; GALKINA, A.G., rabotnik pavil'ona,;
GITIS, Ya.Ye., rabotnik pavil'ona,; DERGACHEVA, V.I., rabotnik pavil'ona;
ZAK, R.G., rabotnik pavil'ona,; RAKSHA, M.A., rabotnik pavil'ona,;
SALAY, Ye.A., rabotnik pavil'ona,; TARAKANOV, G.M., rabotnik pavil'ona,;
TOMASHUK, P.A., otv. red.; DMITRIYEVA, L.A., red.; LUKINA, L. Ye.,
tekhn. red.

[Far East] Dal'nii Vostok. Moskva, Izd-vo "Sovetskaya Rossiya,"
1958. 109 p. (MIRA 11:12)
(Soviet Far East--Agriculture)

ZAK, R.L.; URBANOVICH, L.M.

Labor after heart surgery. Akush. i gin. 36 no.2:115-117 Mr-Ap
'60. (MIRA 13:12)
(MITRAL VALVE—SURGERY) (LABOR, COMPLICATED)

ZAK, R.L., kand.med.nauk; MYASNIKOV, N.N.

Appendicitis and pregnancy. Vop. okh. mat. i det. 5 no. 5:87-89 S-0
'60. (MIRA 13:10)

1. Iz akushersko-ginekologicheskoy kliniki (zav. - prof. L.S.
Persianinov) II Moskovskogo meditsinskogo instituta imeni
N.I. Pirogova i rodil'nogo doma No. 23 (glavnyy vrach - zasluzhennyy
vrach RSFSR R.L. Zak).
(APPENDICITIS) (PREGNANCY, COMPLICATIONS OF)

ZAK, R. L.

"Comparative Clinical Data Concerning Delivery with and without Rupture of the Perineum," Akusher. i Ginkol., No. 2, 1949.

Cand. Medical Sci.

Mbr., Uterological Clinic, 2nd Moscow Med. Inst. im. I. V. Stalin, -c1949-.

Chief, Maternity Home No. 23, -c1949-.

NEGOVSKIY, V.A.; ZAK, R.L.

Intra-arterial transfusion under pressure as therapeutic method
in fatal obstetric and gynecologic hemorrhages. Akush gin. No.1:
20-26 Jan-Feb 51. (GIML 20:5)

1. Of the Laboratory of Experimental Physiology on the Revival
of the Organism (Head--Prof.V.A.Negovskiy), of the Academy of
Medical Sciences USSR and of Maternity Home No 2 (Head Physi-
cian--Honored Physician RSFSR R.L.Zak, Candidate Medical Sci-
ences), Leninskiy Rayon, Moscow.

ZAK, R.L.

ZAK, R.L.; KUSHNIRSKAYA, Ye.Ye.

Severe case of nephropathy with multiple erosions on the gastric and duodenal mucosa in a pregnant women. Sov.med. 21 Supplement: 27 '57. (MIRA 11:2)

1. Iz kafedry akusherstva i ginekologii II Moskovskogo me'ditsinskogo instituta imeni I.V.Stalina i roditel'nogo doma No.23 Moskvy.
(PREGNANCY, COMPLICATIONS OF)
(KIDNEYS--DISEASES)

ZAK, R. V.

PA32/49T79

USSR/Physics
Wave Mechanics
Rotators

Feb 49

"Proper Values and Sum of the Conditions for a
Semi-spherical Rotator," R. V. Zak, Inst of Phys,
Acad Sci Ukrainian SSR, 1 p

"Zhur Eksp 1 Teoret Fiz" Vol IX, No 2

In a recent letter (see 9/49T90) N. D. Sokolov
determined values and sum of states for a
semi-spherical rotator by Schroedinger's theory.
However, his enumeration of the values is not
complete. As a result, the value of the sum of
states is incorrect.

32/49T79

USSR/Physics (Contd)

Feb 49

the states at high temperatures work out at half
the correct answer. Submitted 23 Nov 48.

32/49T79

BELKIN, A.; BORISOV, A.; GENIN, B.; GUSLITSER, I.; GRUZDEV, V.; DICH, S.;
DUSEYEVA, Ye.; YEGOROVA, A.; ZAK, S.; KAZYMOV, A.; KRUFENNIKOVA, Ye.;
KONKIN, A.; MOGILEVSKIY, Ye.; PAKSHVER, A.; SMELKOV, G.;
CHICHKHLIANI, A.; CHUGUNOV, K.; SHIFRIN, L.; YUNOVICH, E.

Sergei Alekseevich Tairov. Khim.volok. no.3:79 '62.

(Tairov, Sergei Alekseevich) (MIRA 16:2)

ZAK, S. A.

Zak, S. A. and Efendiyev, F. M. - "A study of the illuminating properties of petroleum oils;
Izvestiya Akad. nauk Azerbaydzh. SSR, 1949, No. 3, p. 19-27, (Resume in Azerbaijani), -
Bibliog: 6 items.

SO: U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

ZAK, S. F.

"The Selection of Strains of Flexner Dysentery Microorganisms
for the Production of Vaccines." *Cand Med Sci, Central Inst for
the Advanced Training of Physicians, Min Health USSR, Moscow, 1955.*
(KL, No 12, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical
Dissertations Defended at USSR Higher Educational Institutions (15)

ZAK. S.F.

Data on an investigation of the biological properties of Flexner
dysentery strains. Zhur. mikrobiol., epidem. i immun. 27 no.3:
7-11 Kr' 56. (MJRA 9:7)

1. Iz Gosudarstvennogo kontrol'nogo instituta vaktsin in syvorotok
imeni Tarasevicha.
(SHIGELLA
dysenteriae, virulence & immunogenic properties (Bus))

ZAK, S.I.; KAMENEV, Ye.A.

New data on the geology of the Khibiny alkali massif. Sov. geol.
7 no.7:42-51 J1 '64. (MIRA 17:11)

1. Severo-Zapadnoye geologicheskoye upravleniye i Kol'skaya kompleksnaya ekspeditsiya.

ZAK, S.I., mostovoy master

Our method for the exchange of bridge ties. Put' i put.khoz. 8 no.12:25
'64. (MIRA 18:1)

1. Stantsiya Gomel', Belorusskoy dorogi.

CHEMNOMORDIK, A.B.; RAZUMNIAYA, V.P.; ZAK, S.I.

Use of antibiotic -resistant colibacterin in intestinal infections. Zdrav. Bel. 9 no.8:9-11 Ag'63 (MIRA 17:3)

1. Iz otdela antibiotikov (zav. - doktor biolog. nauk A.B. Chernomordik) Kiyevskogo instituta epidemiologii i mikrobiologii.

ZAK, S.I.

Genesis of magmatic ilmenite-magnetite ores as exemplified by the
Yeletozero intrusion. Sov. geol. 3 no.3:61-74 Kr '60.

(MIRA 13:11)

1. Severo-Zapadnoye geologicheskoye upravleniye.
(Yeletozero region--Iron ores)

SHIRNOVA, T.V.; KAMALYAN, L.A.; IVANOVA, A.S.; ZAK, S.I.; RUBAKHINA, S.A.

Severe forms of coli enteritis in young children. Paediatrica
no.5:40-42 '61. (MIRA 14:5)

1. Iz Dnepropetrovskogo instituta epidemiologii, mikrobiologii
i gigiyeny, detskoy klinicheskoy bol'nitsy No.5 i detskoy
klinicheskoy bol'nitsy No.3 Dnepropetrovska.
(ESCHERICHIA COLI)

BOGACHEV, Aleksey Ivanovich; ZAK, Spartak Iosifovich; SAFRONOVA,
Galina Petrovna; ININA, Klavdiya Aleksandrovna; ROBONEN,
V.I., kand. geol.-miner. nauk, nauchn. red.; REYKHERT,
L.A., red.izd-va; GALIGANOVA, L.M., tekhn. red.

[Geology and petrology of the Yelet'ozerskiy gabbroid mas-
sif in Karelia; geology, petrography, metallogeny] Geologiya
i petrologiya elet'ozerskogo massiva gabbroidnykh porod Ka-
relii; geologiya, petrografiia, petrologiya, metallogeniia.
[By] Bogachev, A.I. i dr. Moskva, Izd-vo AN SSSR, 1963. 159 p.
(MIRA 16:10)

(Karelia—Gabbro)

ZAK, S.I.

Banded structures in basic rocks of the Yeletozero massif in the
Karelian A.S.S.R. Trudy Kar. fil. AN SSSR no.11:277-291 '59.
(MIRA 13:2)

(Yeletozero region--Rocks, Igneous)

1. ZAK, S. I.
2. USSR (600)
4. Construction Industry
7. Some peculiarities in planning continuous building construction.
Stroi.prom. 30 no. 12, 1952
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

BOGACHEV, A.I.; ZAK, S.I.

New data on the geology of the Yeltozero ore-bearing massif in
northern Karelia. Trudy Kar. fil. AN SSSR no.11:241-268 '59.

(MIRA 13:2)

(Yeltozero region--Geology)

ZAK, S. I., CAND GEOL-MIN SCI, "TITANIUM MINERALIZATION
^{the} IN BASIC ROCKS OF THE YELET'ZERO MASSIF OF ^{the Karelian} ~~KARELIANSKA~~
ASSR." LENINGRAD, 1960. (MIN OF HIGHER AND SEC SPEC ED
USSR, LENINGRAD ORDERS OF LENIN AND LABOR RED BANNER MI-
NING INST IN G. V. PLEKHANOV). (KL, 3-61, 207).

ZAK, S.L.; USKOV, F.M.

Control of industrial noise. Khim.volokn. no.1:56-59 '61.
(12 A 14:2)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
iskusstvennogo volokna.
(Textile factories) (Noise)

ZAK, S.L.; SMELKOV, G.V.

Course of the development of the manufacture of carbon disulfide.

Zhur.VKHO 6 no.1:44-49 '61.

(MIRA 14:3)

(Carbon disulfide)

Zak, S. L.

Issledovanie okhlazhdeniya motora M-85 v polete. Moskva, 1938. 17 p., illus., diagrs.
(ISAGI. Trudy, no. 373)

Title tr.: Investigation of the cooling of M-85 engines in flight.

QA911.M65 no. 373

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

ZAK, S.L.

Okhlazhdenie aviatsionnogo motora etilenglikolom. Moskva, 1938. 21 p.,
illus., diagrs. (TSAGI. Trudy, no. 360)

Title tr.: Cooling of aircraft engines by ethylene glycol.

Qa911.465 no. 373

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1955.

ZAK, S. L.
 23
 Shortened reworking of viscose on bobbins. S. L. Zak and S. L. Dich. *Izvestiya Vostochno (Artificial Fiber) S. No. 6, 20-7(1934).*—Recommendations for improved production are based on the review of foreign practice.
 Chas. Blanc

CAK, S. L.

CA

Production of viscose. S. L. Tak. Tekh. Byull. GUTV 1939, No. 4, 56-62; Khim. Referat. Zhur. 1940, No. 8, 122-3. —2. describes the production conditions of the viscose soda, and the pig. bath. The purity and softness of the production water are important in the refining process of viscose rayon. W. R. Hume

23

ADD-51.6 METALLURGICAL LITERATURE CLASSIFICATION

| CLASS | SUBCLASS | SECTION | ITEM |
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ZAK, S.L., inzhener, **CHUROCHKIN, A.A.,** inzhener.

Manual for young specialists. Tekst.prom. 14 no.9:50-51 S '54.

(MIRA 7:11)

(Textile industry--Study and teaching)

ZAK, S.L.

Technical and economic factors in the geographic distribution of
synthetic fiber plants. Khim.volok. no.2:49-51 '63. (MIRA 16:5)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy
iskusstvennogo volokna.
(Industrial organization) (Textile industry)

2 AR, 5.14

AID P - 3445

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 12/32

Authors : Nayfel'd, M. R., and Zak, S. M., Engs.

Title : Calculation of transformer impedance for determining the resistance of grounded neutral

Periodical : Elektrichestvo, 10, 49-52, 0 1955

Abstract : The authors study the problem of influence of resistance and reactance of transformers of up to 1000-kva capacity with secondary windings 380/220 and 220/127 v. and a star-star connection upon the impedance of the neutral grounding. The study is important for the problem of disconnecting a faulty sector. The authors present a method of calculating the current of a single-phase short-circuit allowing for transformer impedances. For practical purposes they present a simplified

Elektrichestvo, 10, 49-52, 0 1955

AID P - 3445

Card 2/2 Pub. 27 - 12/32

method and give a numerical example. Three tables,
1 diagram, 3 Soviet references (1946-1954).

Institution : Tsentroelektromontazh (Electrical Installation Trust
of the Central Region)

Submitted : F 4, 1955

ZAK, Samuil Markovich; KAMINSKIY, Ye.A., red.

[Installation of light fixtures with gas discharge lamps]
Montazh svetil'nikov s gazorazriadnymi lampami. Moskva,
Energia, 1965. 63 p. (Biblioteka elektromontera, no.162)
(MIRA 18:8)

ZAK, S.N., mostovoy master (st. Gomel', Belorusskoy dorogi); MADORSKIY, Z.N.,
inzh. (st. Gomel', Belorusskoy dorogi)

Reorganization of small structures. Put' i put.khoz. 6 no.6:28 '62.
(MIRA 15:7)

(Railroads—Buildings and structures)

POPLAVKO, Ye.M.; MARCHUKOVA, I.D.; ZAK, S.Sh.

A rhenium-containing mineral from the ores of the Dzhezkazgan deposit. Dokl. AN SSSR 146 no.2:433-436 S '62. (MIRA 15:9)

1. Nauchno-issledovatel'skiy i proyektnyy institut redkometallicheskey promyshlennosti i Institit metallurgii im. A.A. Baykova.
(Dzhezkazgan—Rhenium) (Minerals)

LAZAREV, A.I.; LAZAREVA, V.I.; ZAK, S.Sh.; USTENKO, T.M.

Determination of rhenium with α -furyldioxime after the separation of molybdenum by the extraction with a chloroform solution of nitron. Zav.lab. 28 no.11:1316-1319 '62. (MIRA 15:11)

1. TSelinogradskiy sel'skokhozyaystvennyy institut i Dzharkazganskiy gornometallurgicheskiy kombinat.
(Rhenium--Analysis) (Oximes)

VISHNEVSKAYA, L.N., TAR, S.Sh., POPIAVKO, Ye.M.

Bismuth-bearing lead-copper ores of the Dzhezkazgan deposit.
Geol.rud.zooteekh. no. 6-112 115 N-D '61. (MIRA 14:12)

1. Gosdizpivremny nauchno-issledova'tel'skiy institut redkikh
metallov, Moskva; i Gornometallurgicheskii kombinat, g.
Dzhezkazgan.

(Dzhezkazgan District Ore deposit)

ZAK, Stanislaw

Discharge of grain from the vessel, Manhattan, in Gdynia.
Tech gosp moraka 13 no.9:273-275 8'63

1. Zarzad Portu, Gdynia.

L 6526-66 ENT(1)/FS(?) - 3 DD

ACC NR: AP5027168

SOURCE CODE: PG/0056/65/016/005/0727/0737

AUTHOR: Jozkiewicz, S. — Yuzkevich, S. (Professor, Doctor, Director); Puchalik, M. —
Pukhalik, M. (Professor, Doctor, Director); Cygan, Z. — Teytan, Z.; Droniz, M. —
Drozdzi, M.; Grzegorz, J. — Gregorchik, Ya.; Grzesik, J. — Gzhesik, Ya.; Krzosa, K.
— Kshoska, K.; Lewandowska-Tokarz, A. — Levandovska-Tokazh, A.; Stanosek, J. —
Stanosek, Ya.; Zak, T. — Zhak, T.

ORG: Institute of Physiological Chemistry, Silosia AM, Zabrze-Rokitnica (Zaklad Chemii
Fizjologicznej Sl. AM); Institute of Medical Physics, Silosia AM, Zabrze-Rokitnica (Zaklad
Fizyki Lekarskiej Sl. AM)

TITLE: Investigation of the effect of sonic and ultrasonic fields on biochemical processes.
IX. Effect on some blood components in men working under noisy conditions

SOURCE: Acta physiologica polonica, v. 16, no. 6, 1965, 727-737

TOPIC TAGS: human physiology, working condition, man, medical experiment, biologic
vibration effect, sound, ultrasonic field, acoustic biologic effect.

ABSTRACT: The levels of blood glucose, pyruvic acid, ascorbic acid, proteins, protein
fractions, nonprotein nitrogen, phospholipid phosphorus, and the activities of aminotrans-
ferase and aldolase were determined in 80 persons to study the effect of noisy working condi-
tions on the workingman. The test subjects were employed in a large industrial establishment.

Card 1/2

L 6536-66

ACC NR: AP5027168

and exposed to vibration and noise. All were in relatively good health. The control group consisted of workers in the same factory, but not exposed to a noisy environment. The results showed the following: a decrease in blood sugar, phospholipid phosphorus, and ascorbic acid; an increase in protein, albumin, and nonprotein nitrogen. The gamma globulin, however, showed a decrease. There was a slight increase in aspartic aminotransferase and alanine aminotransferase, and a slight decrease in aldolases. The results of determinations of other components studied, different from those in guinea pigs, are discussed. Orig. art. has: 9 tables.

SUB CODE: PH, LS / SUBM DATE: 09Nov64 / ORIG REF: 000 / OTH REF: 031

RW
Card 2/2

ZAK, T.

Galvanic processes viewed against the background of Soviet achievements. p. 268. CHEMIK. Vol. 8, no. 10, Oct. 1955. Katowice.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963510006-0

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963510006-0"

POLAND/Chemical Technology - Chemical Products and
Their Applications - Electrochemical
Manufacturing. Electrodeposition.
Chemical Sources of Electrical Current.

I-9

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 890+

Author : Zak, T., and Socha, J.

Inst :

Title : Regeneration of the Electrolyte Used in the
Electrolytic Polishing of Carbon Steels.
Part II. Removal of Iron from the Bath.

Orig Pub : Prace, Inst. mech., 1955, 5, No 15, 51-55.

Abstract : The effect of H_2SO_4 concentration on the
electroosmotic separation of Fe (III) ions
from the bath during the electrolytic
polishing of carbon steels has been investi-
gated. The optimum concentration range was
found to be 5-10 vol% at 85° with complete
prior oxidation of the Cr (III) ions. The

Card 1/2

POLAND/Chemical Technology - Chemical Products and
Their Applications - Electrochemical
Manufacturing. Electrodeposition.
Chemical Sources of Electrical Current.

I-9

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 8904

amount of Fe diffusing into the catholyte
was determined polarographically on a citrate
background at pH 6. The Fe (III) can also
be removed without the use of a membrane by
electrolytic deposition on the cathode at a
bath temperature of 95-100°, $D_c = 180$
amps/dm², and $D_a = 9$ amps/dm².
For Part I see RZhKhim, 1956, 58744.

Card 2/2

"APPROVED FOR RELEASE: 03/15/2001

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POLAND/Chemical Technology - Chemical Products and Their Application. Electrochemical Production. Electrodeposition. Chemical Sources of Current. H-12

Abs Jour : Ref Zhur - Khimiya, No 17, 1958, 58055

Author : Socha Jan, Zak Tadeusz

Inst : -

Title : An Investigation of the Possibility of Perfecting the Process of Electrolytic Chrome Plating. Ch. II.

Orig Pub : Frace Inst. mech., 1957 (1958), 7, No 22, 41-44.

Abstract : By a method described earlier (RZhKhim, 1957, 64027) the operation of a self-regulating bath (SB) for chrome plating, which contains 400 g/l of CrO_3 (I), was studied. An increase of the concentration of I permits obtaining good protective-decorative coverings at lower temperature and D. The SB plating method is equivalent to the usual bath plating method at an I concentration of 275 g/l; at a higher concentration of I, SB works better.

Card 1/2

- 21 -

ZAK, Tadeusz, dr inz.

Interesting electroplating equipment at the 31st
International Poznan Fair. Przegl mech 21 no.19/20:639-640
25 0 '62.

1. Instytut Mechaniki Precyzyjnej, Warszawa.

SZMIT, K.; ZAK, T.; DALLOS, Kalman [translator]

Fine surface processing by the Roto-Finish method. Gepgyartastechn
2 no.12:470-472 D '62.

ZAK, Tadeusz; KOIANKO, Zdzislaw

Studies on methods of degreasing and descaling steel
simultaneously in the same bath. Inst mech precyz ll no.42:
41-52 '63.

CYGAN, Z.; KUSPERSKI, S.; BROZDZ, M.; ZEGLEN, S.; ZAK, T.

Assesment of the clinical usefulness of the determination of
serum mucoproteins in surgical diseases. Wlad. lek. 18 no.20:
1603-1608 15 0 '65.

1. Z Zakladu Chemii Fizjologicznej (Kierownik: prof. dr.
S. Jozkiewicz) i z II Kliniki Chir. Slaskiej AM w Zabrze
(Kierownik: prof. dr. J. Gasinski).

MIEDZINSKI, Franciszek; ZAK, Tadeusz, lek. med.

Therapeutic failures in the treatment of gonorrhea. Przegl. dermat.
52 no.2:111-116 Mr-Apr '65

1. Z Kliniki Dermatologicznej Akademii Medycznej w Gdansk
(Kierownik: prof. dr. F. Miedzinski) i z Przychodni Skorno-
Wenerologicznej w Elblagu (Kierownik: lek. med. T. Zak).

L 39925-66 EWP(t)/ETI IJP(c) JD/JG

ACC NR: AT6018298 SOURCE CODE: PO/2540/65/013/002/0001/0008

AUTHOR: Socha, Jan -- Socha, I.; Zak, Tadeusz -- Zhak, T. 33
B+1

ORG: none

TITLE: Bright ²¹gold ¹⁶plating in an acid electrolyte

SOURCE: Warsaw. Instytut Mechaniki Precyzyjnej. Prace, v. 13,
no. 2(48), 1965, 1-8

TOPIC TAGS: nickel, cobalt, metal plating, electrolyte, ~~gold plating~~,
6040

ABSTRACT: The effect of citric acid, nickel, and cobalt ions on the formation of bright coatings has been investigated. The investigation was based on a hypothesis of the existence of two kinds of brighteners. The polarization, current efficiency, and brightness of coatings in various concentrations of citric acid, nickel, and cobalt salts made it possible to select optimum conditions for bright gold plating. Orig. art. has: 21 figures and 1 table. [Based on authors' abstract] [NT]

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 001/ JTH REF: 014/

¹²
Card 1/1

UDC: 669.218:621.79.025.3

Country : CZECHOSLOVAKIA

Category: Cultivated Plants. Experimental Methods.

Abs Jour: RZhBiol., No 22, 1958, No 100207

Author : Zak, Vladimir, Frysova, Nadezda

Inst : -

Title : Dispersion Analysis of the Results of Variety Trials.

Orig Pub: Listy cukrovarn., 1958, 74, No 1, 9-10.

Abstract: As the result of a dispersion analysis of the results of a sugar beet variety trial in 1953-56 in Czechia and Moravia, the conclusion has been drawn that it is necessary to increase the replications in individual tests.

Card : 1/1

M-4

USSR/General Problems of Pathology - Tumors. Comparative
Oncology. Tumors of Man

U

Abs Jour : Ref Zhur Biol., No 6, 1959, 21453

Author : Zak, V.I.

Inst : Chkalov Medical Institute

Title : Patho-Histological Changes in Intramural Nerve Plexuses
of the Esophagus in Its Affection with Carcinoma, State
of Nerve Elements in Carcinomatous Tumor of Esophagus.

Orig Pub : Tr. Chkalovskogo med. In-ta, 1956, vyp. 5, 277-292

Abstract : In 17 cases the whole wall of the esophagus above and
below the tumor and in 14 cases the carcinomatous tissue
in it was investigated. Nerve formations of the wall of
the esophagus around the tumor disclose the manifestations
of irritation, regeneration and destruction, decreasing
in accordance with being further removed from the tumor

Card 1/2

- 22 -

USSR/General Problems of Pathology - Tumors. Comparative
Oncology. Tumors of Man

U

Abs Jour : Ref Zhur Biol., No 6, 1959, 27453

focus. In the tumor tissue, along with previous nerve formations regenerating nerve formations are observed. It is stressed that on all levels of the esophagus a tremendous number of viable nerve cells and fibers are preserved. The observed changes are regarded by the author as reflex trophic disturbances. -- Ye.A. Skvirs-kaya

Card 2/2

ZAK, V. I.

X-ray diagnosis of large hydronephrosis. Urologiya 22 no.6:63-64
N-D '57. (MIRA 11:2)

1. Iz urologicheskogo otdeleniya (nach. L.Ye.Gomberg) Tsentral'-
noy klinicheskoy bol'nitsy (nach. V.M.Zakharchenko) Ministerstva
putey soobshcheniya.

(HYDRONEPHROSIS, diag.
x-ray)

ZAK, V. I. Cand Med Sci -- (diss). "Pathohistological changes in the intramural
neural elements of the esophagus in cancer of the latter."
~~esophageal plexuses in cases of cancers of the esophagus.~~ The condition of
neural elements in cancerous tumors of the esophagus." Orenburg, 1958.

12 pp (Acad Med Sci USSR), 220 copies (KL, 13-58, 100)

ZAK, V.I.

Actinomycosis of the penis. Urologia 23 no.3:65-66 My-Je '58
(MIRA 11:6)

1. Iz urologicheskogo otdeleniya (nach. L.Ye. Gomborg) Tsentral'noy
klinicheskoy bol'nitsy (nach. V.N. Zakharchenko) Ministerstva putey
soobshcheniya.

(PENIS, dis
actinomycosis (Rus))
(ACTINOMYCOSIS, case reports
penis (Rus))

ZAK, V.I. (Orenburg)

Changes in the nerve elements of cancerous tumors of the human
esophagus. Arkh.pat. 21 no.10:8-12 '59. (MIRA 14:8)

1. Iz kafedry obshchey khirurgii (zav. - prof. A.S.Al'tshul')
Orenburskogo meditsinskogo instituta (dir. - prof. I.V.Sidorenkoŭ)
i khirurgicheskogo otdeleniya (zav. V.I.Zak) Aktyubinskoy
zheleznodorozhnoy bol'nitsy.
(ESOPHAGUS—CANCER)

ZAK, V.I.

Pathohistological changes in the interneuronal synapses of Auerbach's and Meissner's plexuses of the esophagus when affected by cancer. Azerb.med.zhur. no.3:61-64 Apr '60. (MIRA 13:6)

1. Iz kafedry obshchey khirurgii (zav. - prof. A.S. Al'tshul')
Orenburgskogo meditsinskogo instituta (direktor - prof. K.I.
Eligulashvili).
(ESOPHAGUS--CANCER) (ESOPHAGUS--INNERVATION)

ZAK, V.I.

Complete acute retention of the urine in [a case of] diverticulum
of the bladder. Urologia 25 no.1:66-67 Ja-F '60. (MIRA 15:6)

1. Iz kafedry obshchey khirurgii (zav. - prof. A.S. Al'tshul')
Orenburgskogo meditsinskogo instituta.
(URINE--RETENTION) (BLADDER--SACCULATION)

ROCHEGOV, I.K.; ZAK, V.I.

Two cases of laryngeal edema requiring tracheostomy after intubation anesthesia. Vest.khir. no.1:128-129 '62.

(MIRA 15:1)

1. Iz kafedry obshchey khirurgii (zav. - prof. A.S. Al'tshul') Orenburgskogo meditsinskogo instituta (rektor - doktor med. nauk S.S. Mikhaylov) na baze dorozhnoy bol'nitsy st. Orenburg (nach. - K.I. Nazarenko).

(INTRATRACHEAL ANESTHESIA) (LARYNX--DISEASES)
(TRACHEA--SURGERY) (EDEMA)

ZAK, V.I., kand.med. nauk (Orenburg, Khlebnyy per., d.10); DOLGOV, M.A.

Emergency surgery in patients in a state of shock and collapse.
Vest. khir. 70 no.6:43-46 Je'63 (MIRA 16:12)

1. Iz kliniki obshchey khirurgii (zav. - prof. A.S.Altshul')
Orenburgskogo meditsinskogo instituta.

BAYANDIN, P.A. (Murmansk); SHVETSOV, I.M.; TIMOFEYEVA, N.V.; KOVAL', V.P.; KOZLOVA, E.Z.; TRET'YAKOV, N.I. (Kaliningrad); KAMENOV, E.SH. (Peselok Martuni, AzerSSR); BOROVYY, Ye.M.; L. LAYEV, S.G. (Gredno); GERASIMOV, B.A. (Lugansk); MEL'NIK, L.A. (Chernovtsy); MIGAL', L.A.; GUBANOV, A.G.; GOROVENKO, G.G. (Kiyev); SHAROV, B.K. (Chelyabinsk); SHUVALOVA, Z.A. (Sverdlovsk) NEYMARK, I.I.; ARYAYEV, L.N. (Odessa); KABANOV, A.N.; KONOVALOV, Yu.S.; ZAK, V.I. (Orenburg); MIKHAYLOV, M.M.; SEZ'KO, A.D. (Voronezh); SHALAYEV, M.I.; DODIN, V.I. (Saratov).

Abstracts. Grudn. khir. 5 no.3:110-126 My-Je'63 (MIRA 17:1)

1. Iz kafedry normal'noy anatomii Ryazanskogo meditsinskogo instituta imeni akademika I.P.Pavlova (for Shvetsov). 2. Iz Sochinskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii Ministerstva zdravookhraneniya RSFSR (for Timofeyeva). 3. Iz khirurgicheskogo otdeleniya Ternopol'skoy klinicheskoy gorodskoy bol'nitsy (for Koval'). 4. Iz kafedry topograficheskoy anatomii i operativnoy khirurgii (zav. - prof. A.P. Sokolov). Permskogo meditsinskogo instituta (for Kozlova). 5. Iz khirurgicheskogo otdeleniya (zav. - Ye. M. Borovyy) Rovenskoy oblastnoy bol'nitsy (glavnyy vrach - UkrSSR V.M. Vel'skiy) (for Borovyy).

(Continued on next card)

BAYANDIN, P.A.--- (continued) Card 2.

6. Iz fakul'tetskoy khirurgicheskoy kliniki (dir. - prof. I.M. Popov'yan) i gosspital'noy terapevticheskoy kliniki (dir. - prof. L.S.Shvarts) lechen'nogo fakul'teta Saratovskogo meditsinskogo instituta (for Migal'). 7. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. I.I.Neymark) Altayskogo meditsinskogo instituta (for Neymark). 8. Iz Novosibirskogo gorodskogo protivotuberkuleznogo dispansera (for Kabanov). 9. Iz kafedry fakul'tetskoy khirurgii (zav. - prof. I.A.Ivanov) Permskogo meditsinskogo instituta (for Shalayev).

L 44102-66 EWT(d)/EWT(m)/EWP(f)/T-2 WH

ACC NR: AP6009360 (A) SOURCE CODE: CZ/0078/65/000/011/0023/0023

AUTHOR: Zak, Vladimir (Engineer; Tynec nad Labem)

41

ORG: none

B

TITLE: Gas-turbine stator for a supplementary air passage. CZ Pat.
No. PV 931-65

SOURCE: Vynalezky, no. 11, 1965, 23

TOPIC TAGS: air breathing engine, turbine stator, jet engine

ABSTRACT: An Author Certificate has been issued for a jet-engine gas-turbine stator with a special rim fastened to the casing. The rim serves as the outer surface of the turbine passage. It consists of segments fitted together with lugs which fit into the corresponding grooves of the next segment. The overlapping ends of the segments are covered by a strip. Transverse motion of the segments is actuated by guide clevises that are engaged with the corresponding ribs on segments. The ribs have holes admitting air into the space between the casing and the rim as well as into the passage through a slot in the stator flange. [KP]

SUB CODE: 21/ SUBM DATE: 11Feb65/

Card 1/1 CC

ZAK, V. N.

"From the Practice of Throat Section," Pediatrics, No. 5, 1948. Prof., Moscow,

-c1948-.

ZAK, V. N.

"Some Erroneous Conceptions Regarding Heredity and Constitution in Otorhinolaryngology,"

Vest. Oto-rino-laringol, No. 2, 1949, Moscow, -cl949-.

ZAK, V. H.

"Review of 'A Collection of Works of the Leningrad Scientific-Research Institute
on Diseases of the Ear, Nose, Throat and Vocal Organs,'" Vest. Ote-rino-laringol.
No. 3, 1949. Prof.

LAURENC, Vilem; SOCH, Karel; NECKAR, Ferdinand, inz., CSc.; ZAK,
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TITLE: Bone tissue sterilization¹⁹ using reactor fuel gamma radiation

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TOPIC TAGS: bone, nuclear fuel, gamma radiation, radiation biologic effect,
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ABSTRACT: An absolute ionization method of measurements of doses absorbed in bone
tissue, and additional methods were developed. Measurements of spatial dose distri-
bution in grafts were performed. From the detailed analysis it follows that each
point of the graft absorbs in sterilization a dose of 3.3 Mrad, with an accuracy of
20%. In the two years of its application the sterilization method developed has
proved satisfactory. This was evidenced in sterilization of more than one hundred
lyophilized human bone grafts successfully used for therapeutical purposes. The
authors thank Professor K. Ostrowski for his suggestion to use the facilities of the
ENR reactor for bone tissue sterilization, and also for his valuable comments. The
authors also thank Mr. J. Aleksandrowicz for over-all assistance in the project, Docent
Z. Zagorski for discussion on the subject of chemical dosimeters and Mr. T. Berens for
designing the containers, and general help. Orig. art. has: 12 figures and 14 formulas.

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Production of Anolon (DDT) in Poland. W. Zak.
Promyl Chem. 8(28), 429-34(1949).—The preparation and properties of Polish Anolon (DDT) and related insecticides is given.
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